

**Amendments to the Claims:** This listing of claims will replace all prior versions, and listings, of claims in the application

Listing of Claims:

- 1           1. (Original) A method of mounting a fiber optic unit to a photosensor, the method  
2           comprising the steps to:  
  
3                     mounting the photosensor to a first carrier;  
  
4                     bonding a first end of the fiber optic unit to the photosensor to create a joint between  
5           the fiber optic unit and the photosensor;  
  
6                     mounting a second end of the fiber optic unit to a second carrier; and  
  
7                     compressing the joint between the fiber optic unit and the photosensor to strengthen  
8           the bond between the fiber optic unit and the photosensor.
- 1           2. (Original) The method of claim 1, further comprising the step of aligning an  
2           optical axis of the fiber optic unit with an optical axis of the photosensor.
- 1           3 (Original) The method of claim 2, further comprising the step of applying a  
2           pressure along the optical axis of the fiber optic unit.
- 1           4. (Original) The method of claim 2, further comprising the step of applying a  
2           pressure along the optical axis of the photosensor.
- 1           5. (Currently Amended) The method of claim 1, further comprising the step of  
2           applying the a pressure to a side of the first carrier.
- 1           6. (Original) The method of claim 2, further comprising the step of applying a  
2           flexible backing along the optical axis of the photosensor.

1           7. (Currently Amended) The method of claim 6, further comprising the step of  
2     applying the a pressure to the flexible backing.

1           8. (Original) The method of claim 6, further comprising the step of compressing the  
2     flexible backing.

1           9. (Original) The method of claim 6, further comprising the step of applying at least  
2     one compression force to the flexible backing.

1           10. (Original) A device for mounting a fiber optic unit to a photosensor, the device  
2     comprising:

3           a photosensor mounted to a first carrier;

4           a fiber optic unit coupled to the photosensor to create a joint between the  
5     photosensor and the fiber optic unit; and

6           a force applying means coupled to the photosensor and the fiber optic unit for  
7     applying a compression force to the joint.

1           11. (Original) he device of claim 10, wherein the force applying means includes a  
2     second carrier mounted to the fiber optic unit.

1           12. (Original) The device of claim 10, wherein the force applying means includes a  
2     flexible backing coupled to the first carrier.

1           13. (Original) The device of claim 10, wherein the force applying means includes a  
2 spring.

1           14. (Original) The device of claim 13, wherein the spring presses the flexible  
2 backing against the first carrier.15. (Original) The device of claim 12, wherein the flexible  
3 backing is formed from a paste material.

1           15. (Original) the deice of claim 12, wherein the flexible backing is formed from a  
2 paste material.

1           16. (New) A device for mounting a fiber optic unit to a photosensor, the device  
2 comprising:

3           a photosensor mounted to a carrier;

4           a fiber optic unit bonded to the photosensor at a joint between the photosensor and  
5 the fiber optic unit; and

6           a force applying apparatus coupled to the photosensor and the fiber optic unit for  
7 applying a compression force to the joint.

1           17. (New) The device for mounting of claim 16, wherein the force applying  
2 apparatus includes a spring and a flexible layer between the spring and the photosensor.

1           18. (New) A method of mounting a fiber optic unit to a photosensor, the method  
2 comprising the steps of:

3           mounting the photosensor to a carrier;

4           bonding a first end of the fiber optic unit to the photosensor at a joint between the  
5 fiber optic unit and the photosensor; and

6           compressing the joint between the fiber optic unit and the photosensor.

1           19. (New) The method of mounting of claim 18, further comprising the steps of  
2 aligning an optical axis of the fiber optic unit with an optical axis of the photosensor and  
3 applying pressure along at least one of the optical axis of the fiber optic unit and the optical  
4 axis of the photosensor.